



**Apple IIGS[®]
System
Software**

The
Beta
Release
Fall 1991



IMPORTANT INFORMATION

This is a confidential beta development release of Apple® IIGS® System Software v.6.0. This pre-release software contains software bugs. Developers interested in testing their applications for compatibility with System 6.0, but not willing to install it on their hard drives, should try booting directly from this CD-ROM (it should contain a fully bootable ProDOS® partition with all of Apple's drivers and FST's installed).

NOTE: Read the software license agreement at the back of this booklet before using the enclosed CD-ROM. By using this CD-ROM, you agree to be bound by the terms and conditions of the license agreement.

Distribution

Developers should NOT distribute the contents of this CD-ROM outside of their company. Apple has provided developers with the beta release of System 6.0 for internal development and testing purposes only.

Public Discussion

Apple encourages developers to participate in public discussions on System 6.0. We think that sharing will lead to better products sooner.

Public Demonstrations

Developers should not conduct public demonstrations using this beta release of System 6.0, even in conjunction with their own applications. This does not restrict developers from privately showing their System 6.0 applications under non-disclosure to their investors, public relations firm, or even to other Apple IIGS developers.

Introduction

The CD-ROM contains the developer release of System 6.0 beta software, related documentation in several electronic formats, and a wealth of related materials. The Apple II-related contents of Developer CD, volume 9, are also on this CD-ROM (providing access to System 6.0 as well as the complete set of Apple II Technical Notes without swapping CD-ROM's).

Ideally, there should be five partitions on this CD. Four ProDOS partitions — each one representing one of the floppies that will be part of the final product. One HFS partition — containing all other materials.

Once you've installed System 6.0's HFS FST, the HFS partition of the CD-ROM will become visible to your Apple IIGS's Finder and all applications that properly take advantage of GS/OS®.

The first ProDOS partition should be a five megabyte bootable partition representing a superset of the normal "Install" disk.

All of Apple's FST's and drivers, as well as GSbug and NiftyList, have been installed on that partition, making it an ideal alternative for testing your application under System 6.0 if you don't yet want to dedicate a hard drive to System 6.0.

Since only Apple's drivers are installed, the CD-ROM may or may not boot if you're using a third-party SCSI card or a non-SCSI drive (both of which tend to require drivers of their own and those drivers aren't on the CD-ROM). Simply follow the steps two paragraphs below to create a set of four floppies containing System 6.0 and proceed from there, following essentially the same steps you'd follow using 5.0.4 to create a bootable disk and install the drivers you need onto it.

Note: System 6.0's footprint is expected to be close to that of System 5.0.4, thus a hard drive is not required. We do highly recommend the use of a

hard drive since that provides sufficient room to install all FST's, drivers, fonts, etc. that comprise a robust system. The fully loaded system placed on the CD-ROM's boot partition (which includes both NiftyList and GSbug) may not fit in a one meg machine.

Installation of System 6.0

The easiest way to install System 6.0 is to boot from the CD-ROM and launch the installer (it's on the boot partition which is aptly named "Install"). Since there's a partition representing each of the four floppies the Installer normally asks for, installation should run entirely from the CD, requiring no floppy swaps at all.

Developers preferring to swap floppies can create their own set of floppies for System 6.0 using either of the following two methods:

Note: The same restrictions on distribution and demonstrations apply to floppy-based copies of System 6.0 as apply to the CD-ROM itself.

1) On an Apple IIGS, boot from the CD-ROM, format four 800K floppies and named them "Install.", "SystemTools1.", "SystemTools2.", and "Fonts." (the trailing periods are essential to avoid conflicting with the CD-ROM partition names).

Locate the folders named "Install", "SystemTools1", "SystemTools2",

and "Fonts" on the HFS partition. Copy of the entire **CONTENTS** of the folder named "Install" to the root level of your "Install." floppy. Copy of the entire **CONTENTS** of the folder named "SystemTools1" to the root level of your "SystemTools1." floppy. Copy of the entire **CONTENTS** of the folder named "SystemTools2" to the root level of your "SystemTools2." floppy. Copy of the entire **CONTENTS** of the folder named "Fonts" to the root level of your "Fonts." floppy.

Reboot from the floppy named "Install.", quit the Installer (which puts in the Launcher) and navigate to the Finder (found in the "System" folder on "SystemTools1."). Rename each of your four floppies to remove the trailing period from their name (make sure your CD-ROM is off line

to avoid duplicate name conflicts). The four floppies, once renamed, should be "Install", "SystemTools1", "SystemTools2", and "Fonts."

Reboot one more time from the floppy that's now named "Install" and you're ready to install System 6.0 from floppies.

2) On a Macintosh®, locate the "Disk Images" folder on the HFS partition of the CD-ROM. Double-click the "Install" image's icon to launch DiskCopy and load the image into memory. Click the "Make A Copy" button and insert a blank disk (unformatted and formatted disks both work).

Once DiskCopy has created the “Install” disk from the image, it will eject the floppy. Set that floppy aside and click on the “Load Image File...” button. Select the “SystemTools1” image and click on the “Make A Copy” button, insert a blank disk, and wait for DiskCopy to finish. Repeat this paragraph for the “SystemTools2” and “Fonts” images.

CONTENT OVERVIEW

The following is a brief overview of the major contents of the CD-ROM. Please feel free to explore the CD-ROM directly to see what other goodies are tucked away on it that aren't mentioned here.

Open Me First (on the “Install” partition)

- **ReadMeFirst** — a Teach document that introduces you to the CD-ROM and its contents in more detail along with additional information on finding things on the CD-ROM.
- **Complete.Index** — a text file containing an index of the entire CD. All five partitions are included.
- **LastMinuteStuff**— since this insert goes to the printer before the CD-ROM's contents are complete, this file will contain updated information that expands on, or corrects, information in this insert.

- **Software License Agreement** — read it! Using the CD-ROM means you agree to what it says, so you need to read it...

- **The Installer** — use it to install System 6.0 onto your hard drive. The new “Easy Update” feature makes installing System 6.0 on top of System 5.0.4 a one-button operation (just click the “Easy Update” button). To add components new to System 6.0 (like Universal Access, the calculator, Find File, Teach, Archiver, or EasyMount), click the Installer's “customize” button and select the scripts you want executed...

System Software 6.0 (on the HFS partition)

- Folders containing the discrete files representing each of the individual floppies needed to install System 6.0 on a CD-less system.
- DiskCopy images of the disks needed to create System 6.0 floppies using a Macintosh.
- DiskCopy, the application, itself.

Development Tools (on the HFS partition)

- Updates to various APW tools to provide easier access to some of the new features in System 6.0 (like named resources).

These tools include Rez, DeRez, assembly interfaces, C interfaces, Rez interfaces, and more.

- Updates to various MPW IIGS tools to provide easier access to some of the new features in System 6.0 (like named resources). These tools include RezIIGS, DeRezIIGS, AsmIIGS interfaces, CIIGS interfaces, PascalIIGS interfaces, Rez interfaces, and more.

- NiftyList (courtesy of Dave Lyons) for use with System 6.0

Note: The updated version of GSbug for use with System 6.0 is located in the “Developer CD” folder on the HFS partition. This was done to avoid having two versions of GSbug on the

CD (the version normally found on the Developer CD and the newer System 6.0 version).

Sample Code (on the HFS partition)

- Noises Init — a Finder Extension
- MWReader — shows how to read MacWrite® files on the IIGS. This code is normally part of Teach, but has been extracted and highlighted here to facilitate other applications that want to simplify importing styled text from the Macintosh.

Documentation (on the HFS partition)

- The external ERS’s (Engineering Release Specifications) for key portions of System 6.0 are provided in a variety of formats. These documents contain stack frames for new tool and OS calls, detailed descriptions of new tool and OS calls, explain new functionality, and much more.

- Although originally written on the Macintosh (the engineer’s GS’s were busy maturing System 6.0), all of the ERS’s have been converted to at least one Apple IIGS file format. All ERS’s are at least in AppleWorks GS format.

NOTE: Claris provided AppleWorks GS for us to include on the CD-ROM to ensure that all developers using the

CD-ROM would have access to the electronic documentation. This copy of AppleWorks GS is NOT Public Domain/ShareWare/FreeWare! It is a fully copyrighted work and is NOT to be distributed.

See the “LastMinuteStuff” file for further details.

- Some of the smaller ERS’s were also converted to a number of other file formats to facilitate surveying our developers as to what format works best for them (the “final” CD will probably have only one format for the ERS’s, so now’s your big chance to help pick that format).

- Macintosh users will find the ERS’s in Microsoft Word v.4.0, MacWrite II, and MacWrite v.5.0 formats. None of those applications are included.

HyperCard IIGS

- The complete HyperCard IIGS software package (sorry, no manuals in electronic form) is also included.
- Version 1.0 can be found in the “Developer CD” folder.
- Version 1.1 **BETA** will likely be on the CD as well. There are a number of key new features in v.1.1 — including the new Media Control stack that combines the ease of use of HyperCard IIGS with the power of the media control tool set (new with System 6.0).
- During developer conferences earlier this year, system 6’s changes were presented via a HyperCard IIGS stack.

That stack is on the CD-ROM as well so you can browse through it at your leisure to find out just what has changed since System 5.0.4.

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